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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/800,470	03/15/2004	Xu Zhu	DB001092-001	• 3185
24122	7590 05/04/2005		EXAMINER	
THORP REED & ARMSTRONG, LLP			ANYA, IGWE U	
ONE OXFORD CENTRE 301 GRANT STREET, 14TH FLOOR		R	ART UNIT	PAPER NUMBER
PITTSBURGH, PA 15219-1425		-	2891	

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			An			
	Application No.	Applicant(s)				
	10/800,470	ZHU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Igwe U. Anya	2825				
The MAILING DATE of this communicate Period for Reply	tion appears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATION OF THIS COMMUNIC	ATION. TOTAL TION: ATION: TOTAL TION: TO	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communicati ANDONED (35 U.S.C. § 133).	on.			
Status						
1) Responsive to communication(s) filed	on <u>15 March 2004</u> .					
2a) This action is FINAL . 2b	☑ This action is non-final.					
3) Since this application is in condition for	r allowance except for formal matte	ers, prosecution as to the merits	is			
closed in accordance with the practice	under Ex parte Quayle, 1935 C.D	. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-12 is/are pending in the app	olication.					
4a) Of the above claim(s) is/are	withdrawn from consideration.					
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-4 and 7-12</u> is/are rejected.						
7) Claim(s) <u>5 and 6</u> is/are objected to.						
8) Claim(s) are subject to restriction	n and/or election requirement.					
Application Papers						
9) The specification is objected to by the E	Examiner.					
10)⊠ The drawing(s) filed on <u>15 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection	on to the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including th	e correction is required if the drawing(s) is objected to. See 37 CFR 1.121	(d).			
11)☐ The oath or declaration is objected to b	y the Examiner. Note the attached	Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
_	cuments have been received. cuments have been received in A	oplication No				
* See the attached detailed Office action f		received.				
	2 2 2 2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3					
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview S	ummary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO 3) Information Disclosure Statement(s) (PTO-1449 or PT)/Mail Date formal Patent Application (PTO-152)				
Paper No(s)/Mail Date <u>6/21/04</u> .	6) Other:	• • • • • • • • • • • • • • • • • • • •				

Application/Control Number: 10/800,470 Page 2

Art Unit: 2891

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1 4, and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Silverbrook. (US Patent 6071750).
- 3. Silverbrook teaches a process, comprising:

performing certain process steps from the top side of a substrate carrying a plurality of devices, at least certain of the devices having a micro-machined mesh (figs. 4-10);

attaching a carrier wafer to the top of the substrate, and reducing the thickness of the substrate (fig. 11, 12);

continuing the process of fabricating the plurality of devices from the backside of the substrate (fig. 13);

wherein said performing includes forming and patterning a layer of resist (fig. 6); wherein said performing includes forming a plurality of meshes (fig. 9); wherein said continuing includes forming vent holes (fig. 13); and wherein the device is a MEMS device (col. 4 lines 1 – 11).

Double Patenting

4. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the

Art Unit: 2891

unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

5. Claims 7 – 10, 12 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 12, 28 of copending Application No. 10/701,860. Although the conflicting claims are not identical, they are not patentably distinct from each other because:

claim 12 of the co-pending application recites the limitations of claims 7 –12 of the instant application; and

claim 28 of co-pending application recites the limitations of claim 12 of instant application, except for the substrate carrying a plurality of devices (structural limitation in a method claim must affect the method in a manipulative sense to be given patentable weight (Ex parte Pfeiffer, 1962 C.D. 408, 1961).

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

6. Claims 5 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Igwe U. Anya whose telephone number is (571) 272-1887. The examiner can normally be reached on M - F 8:30am - 5:00pm.

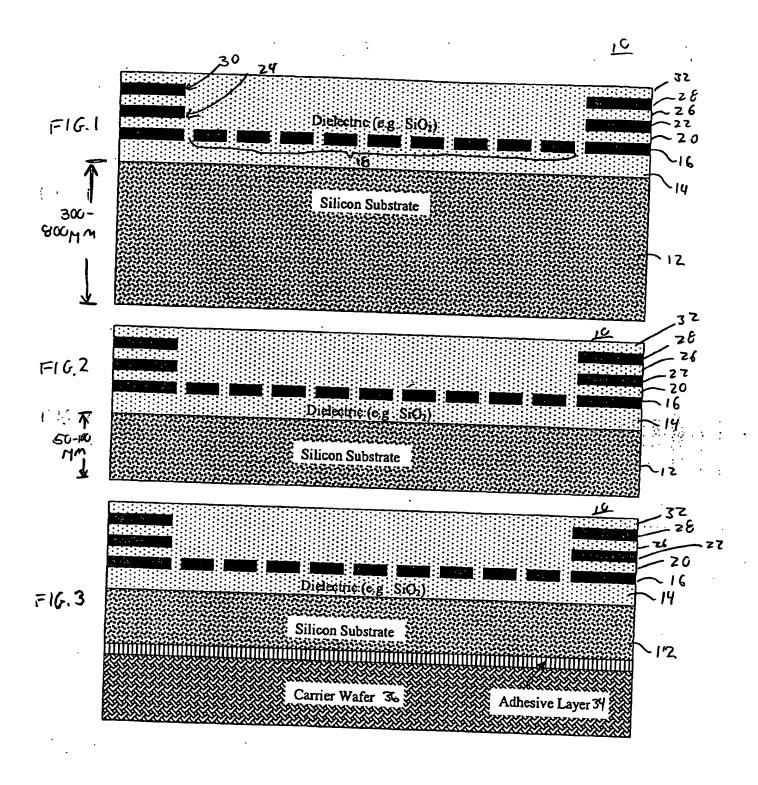
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William B. Baumeister can be reached on (571) 272-1722. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

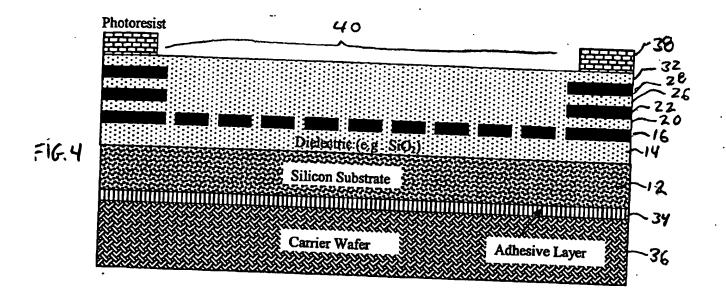
Igwe U. Anya Examiner Art Unit 2891

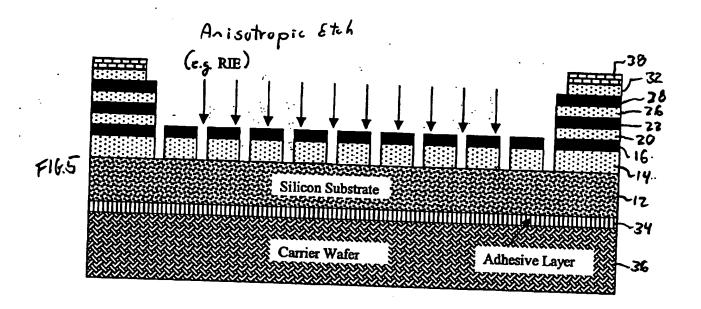
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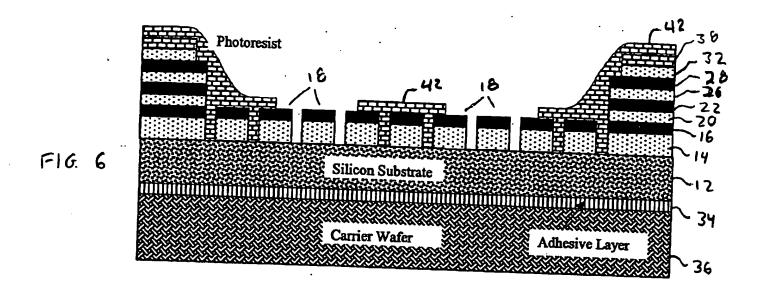
April 16, 2005

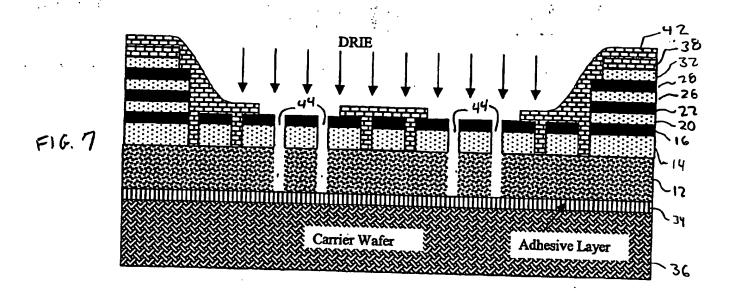


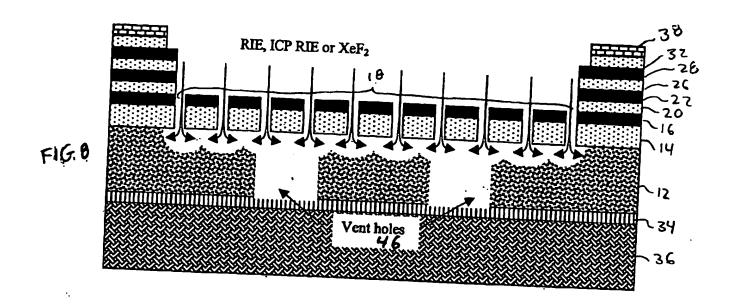
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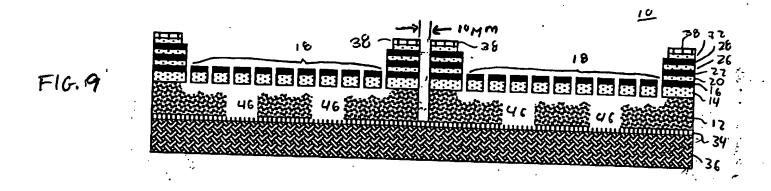


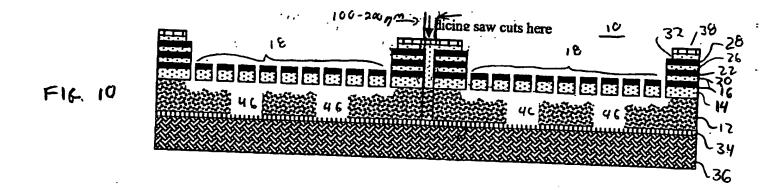


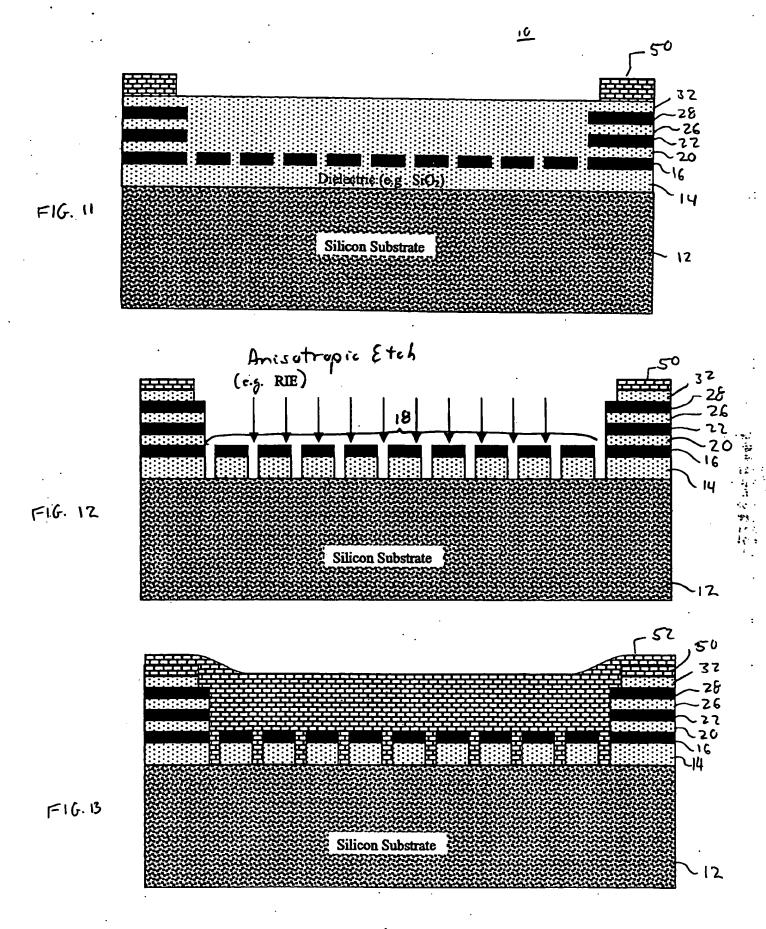


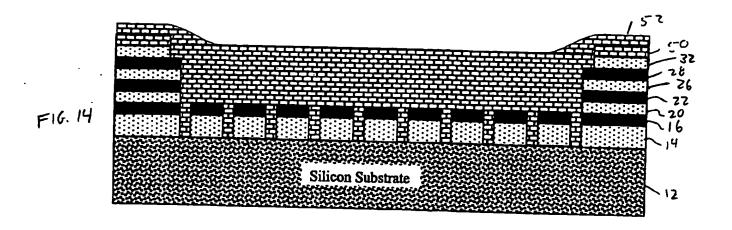


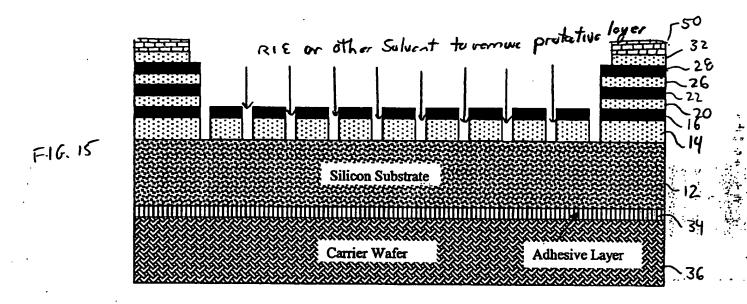


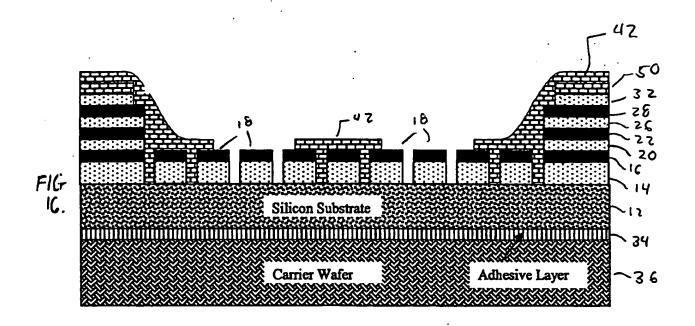


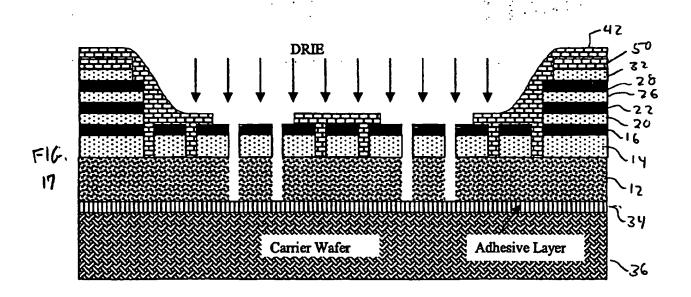


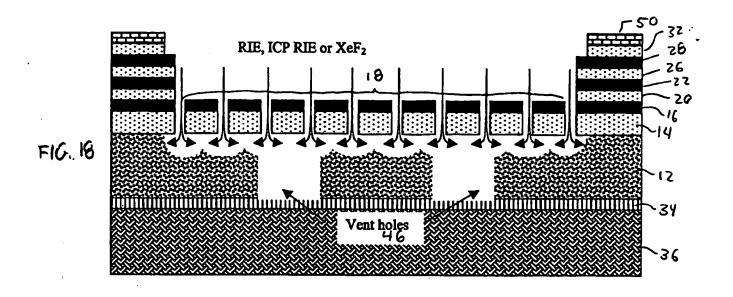


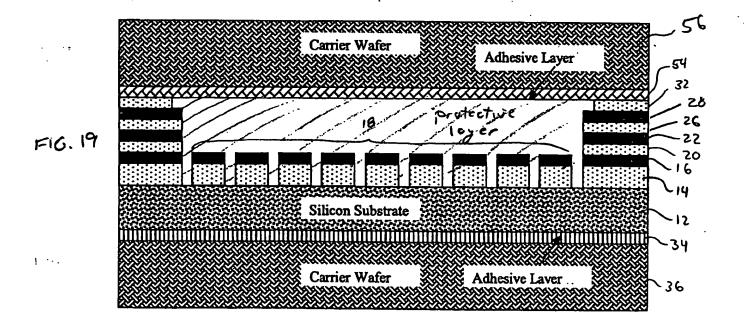


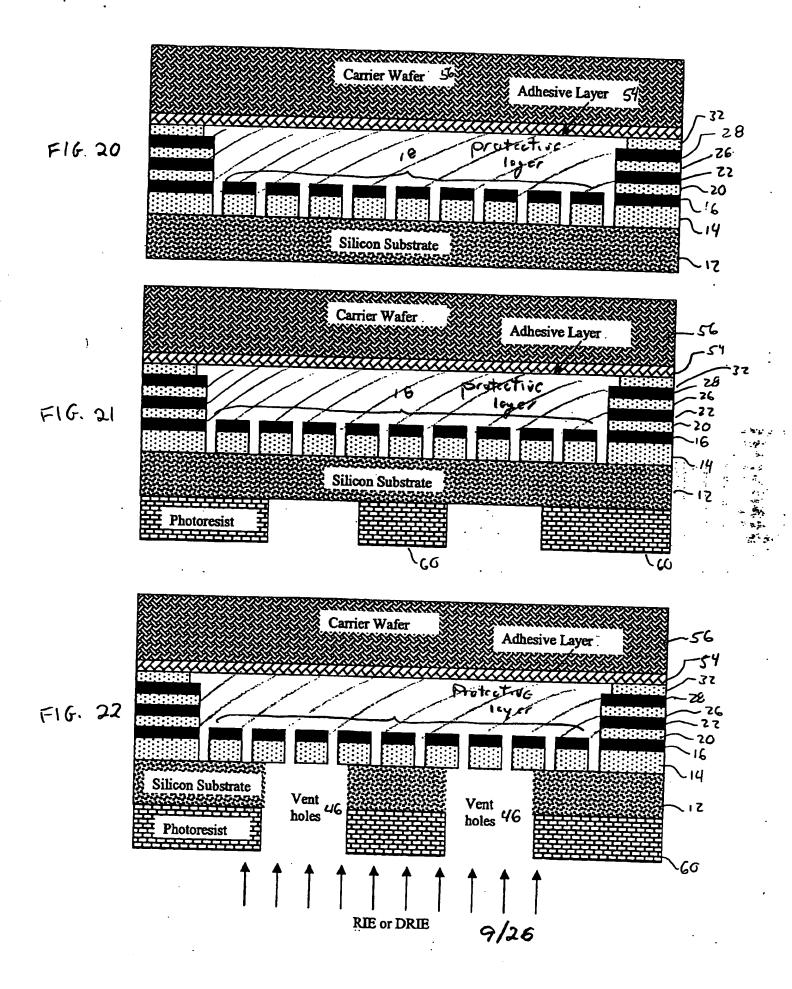


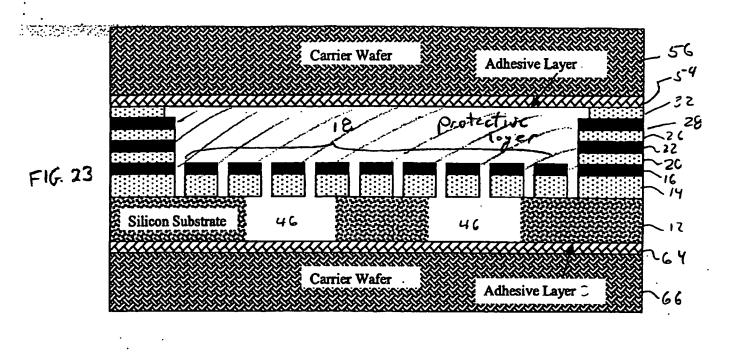


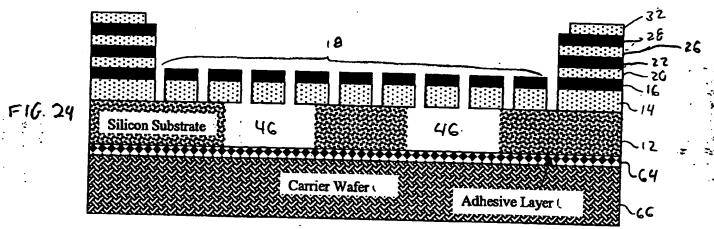


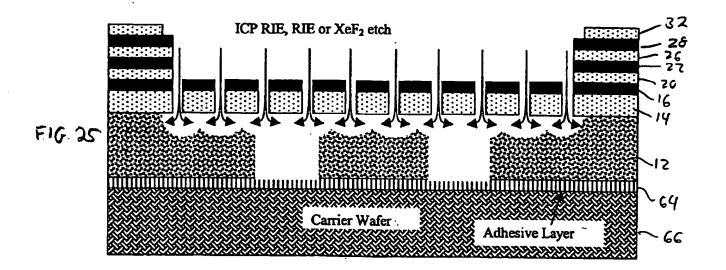


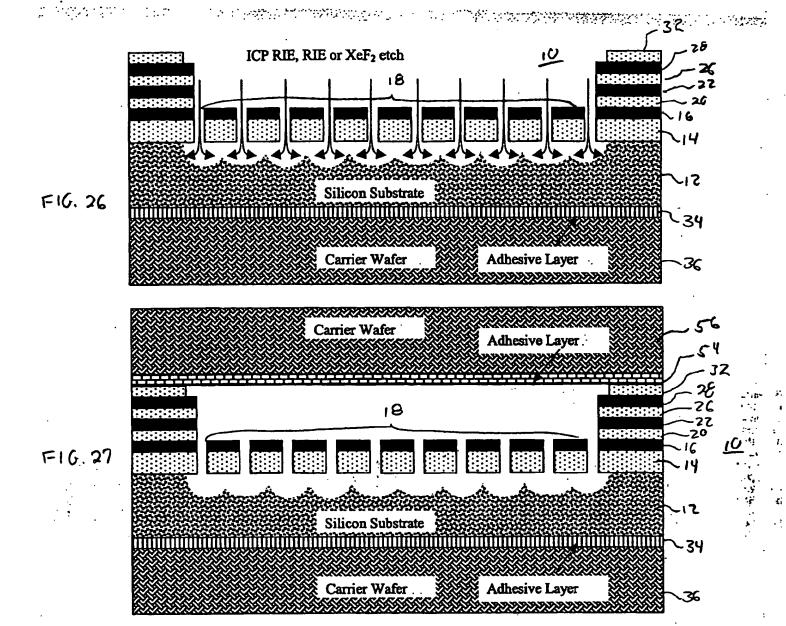


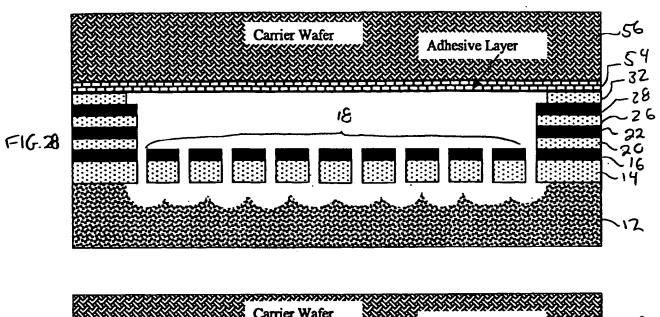


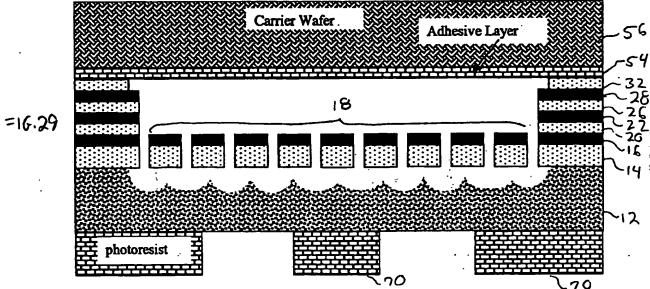


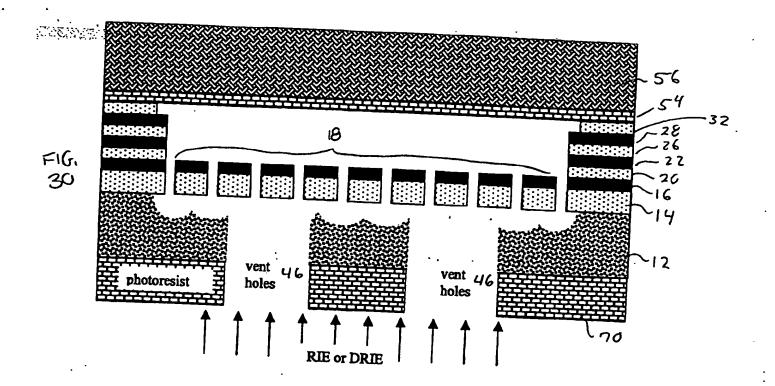


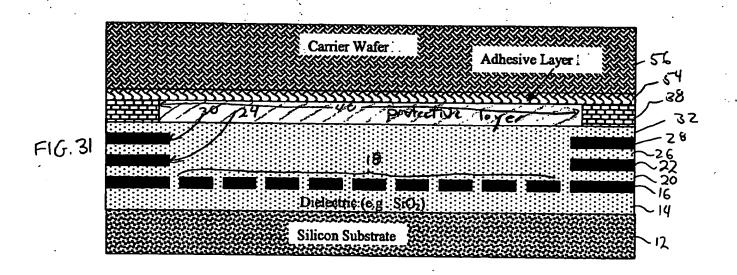


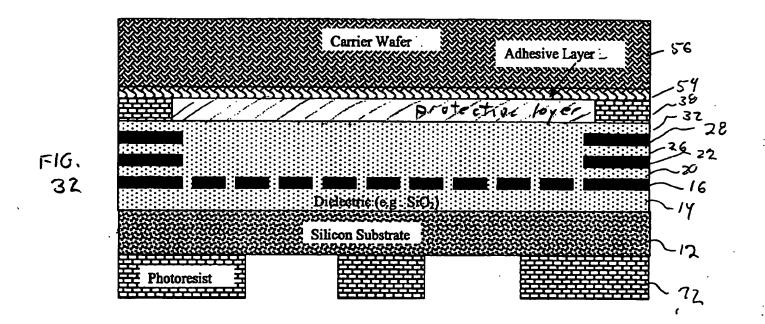


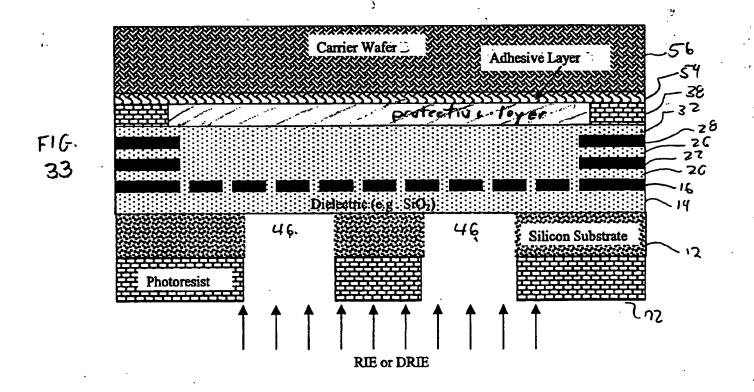


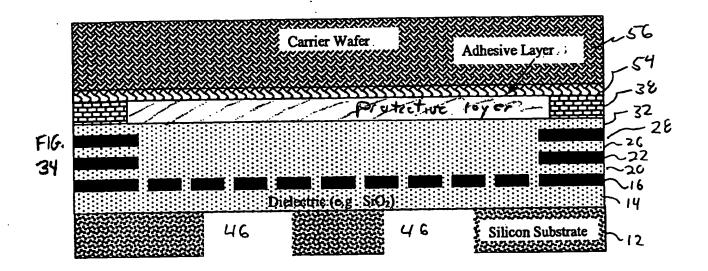


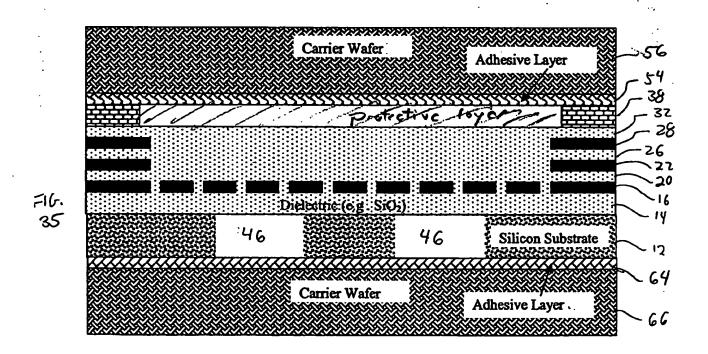


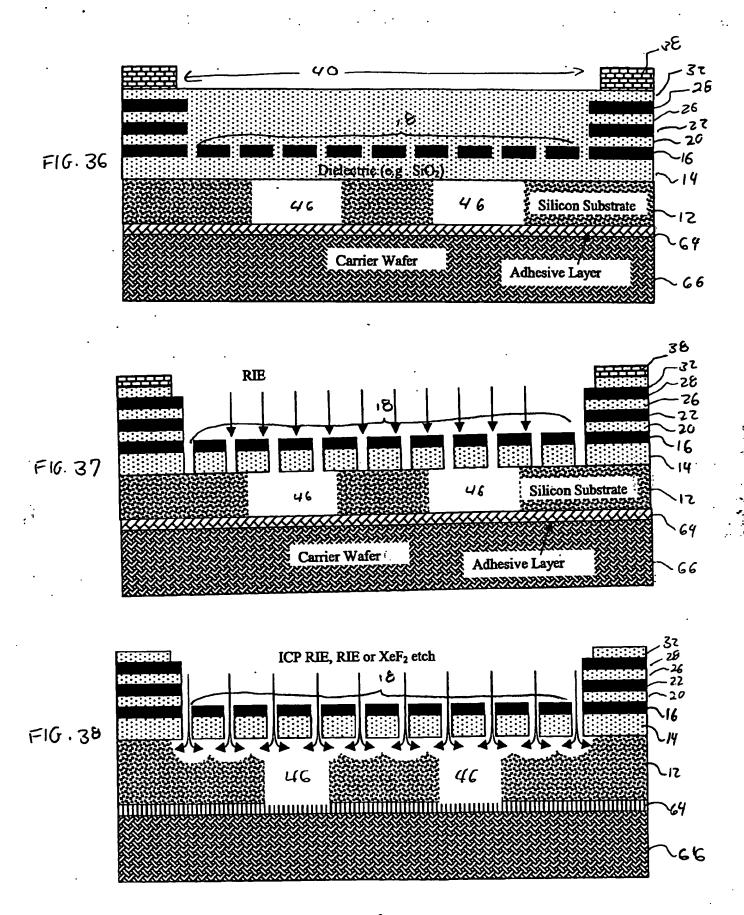


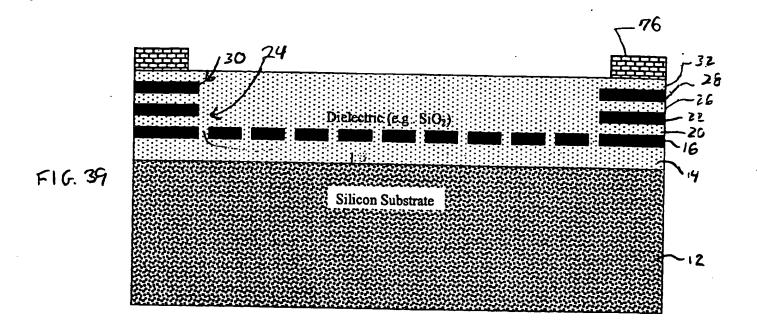


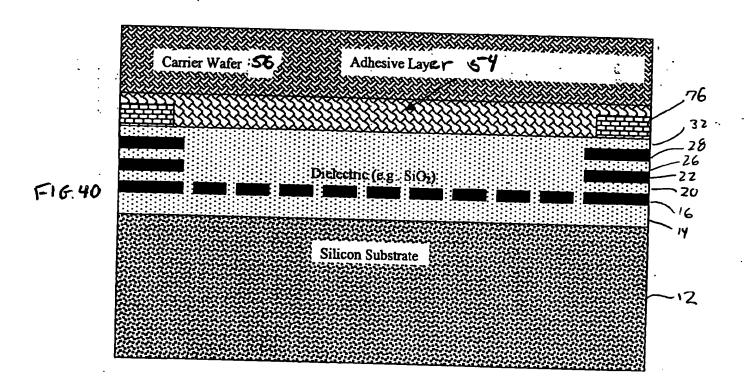


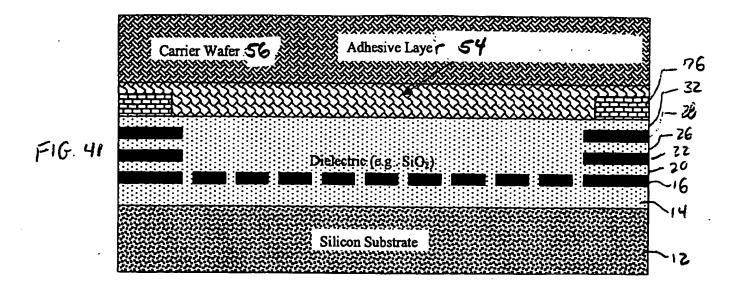


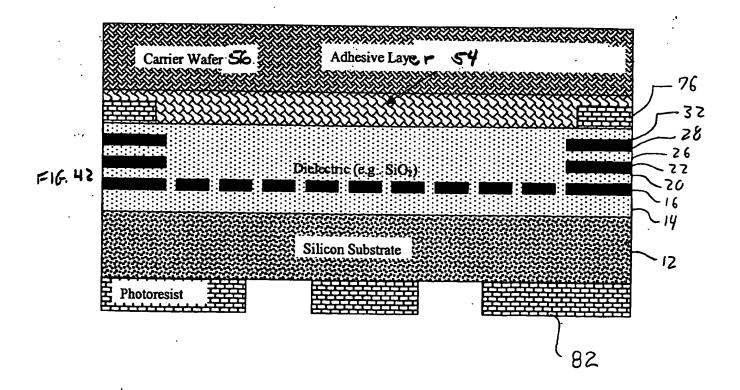


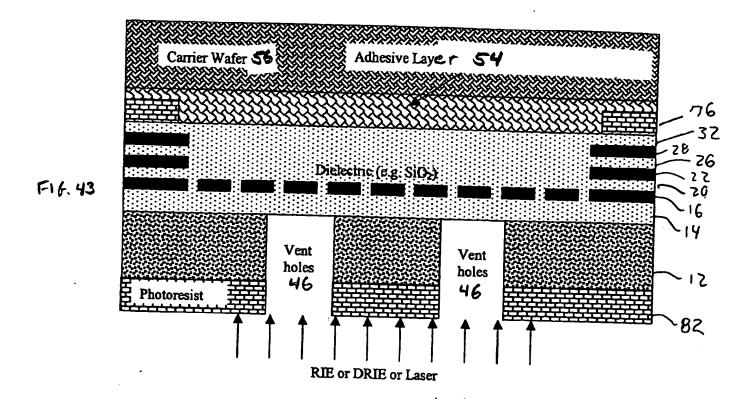


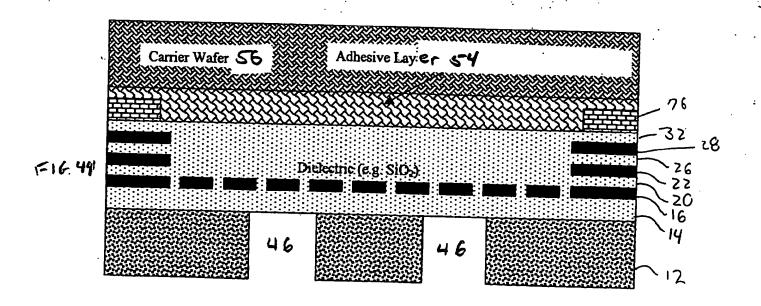


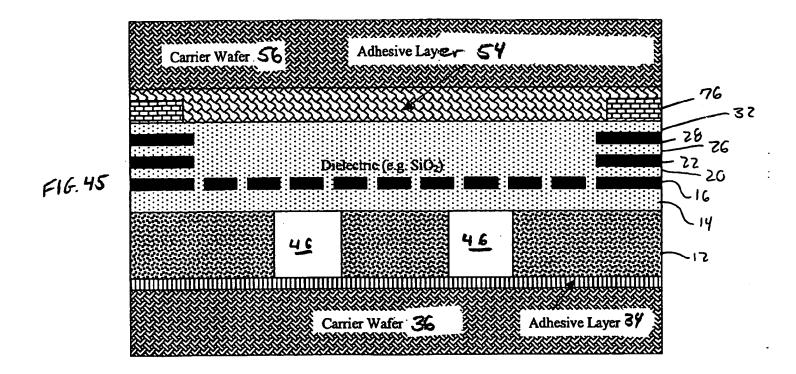


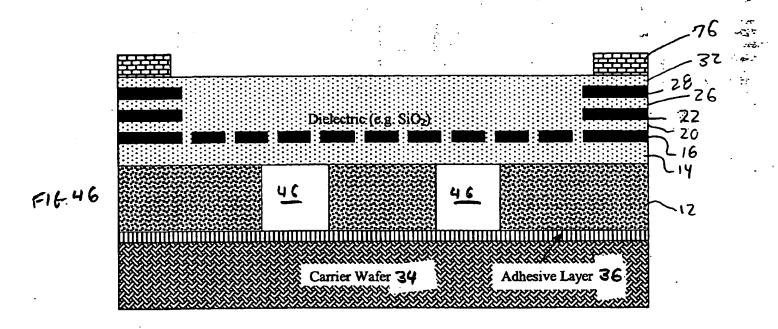


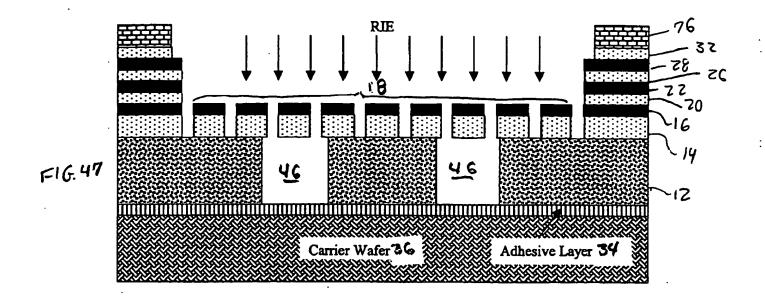


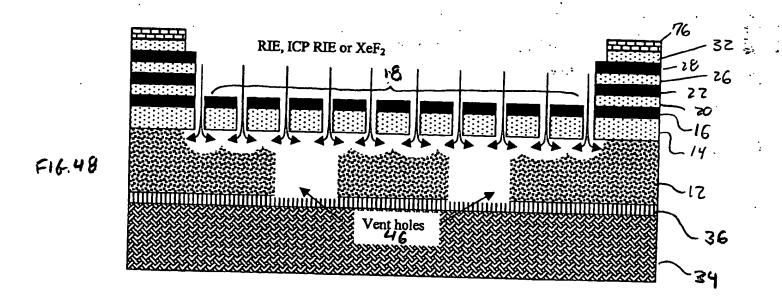


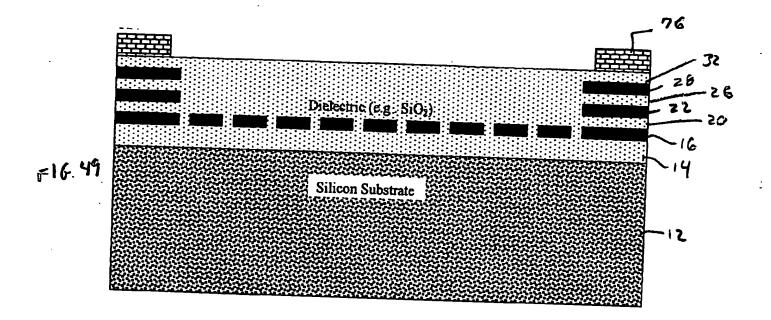


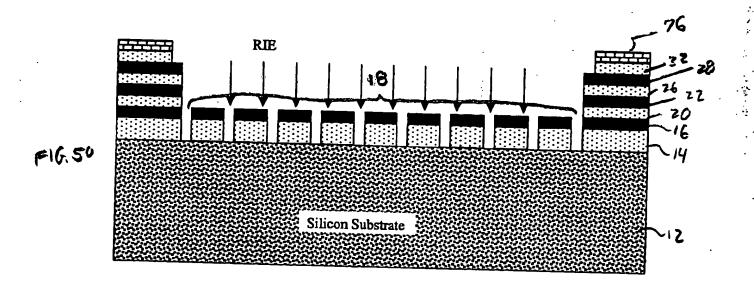


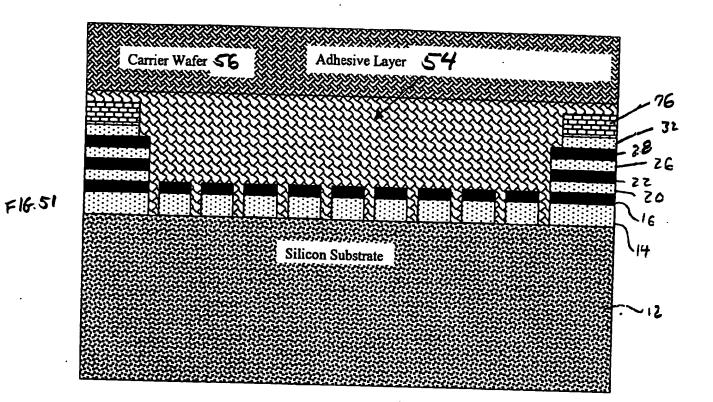


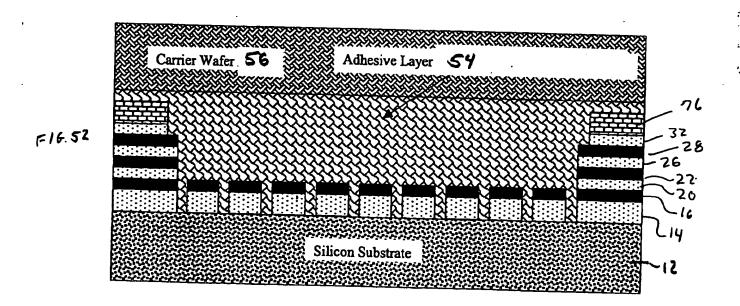


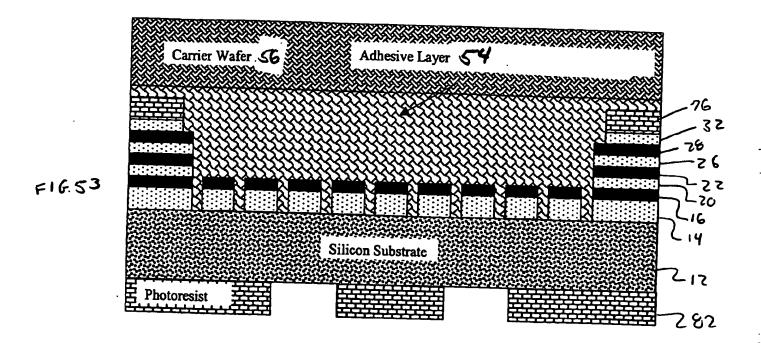


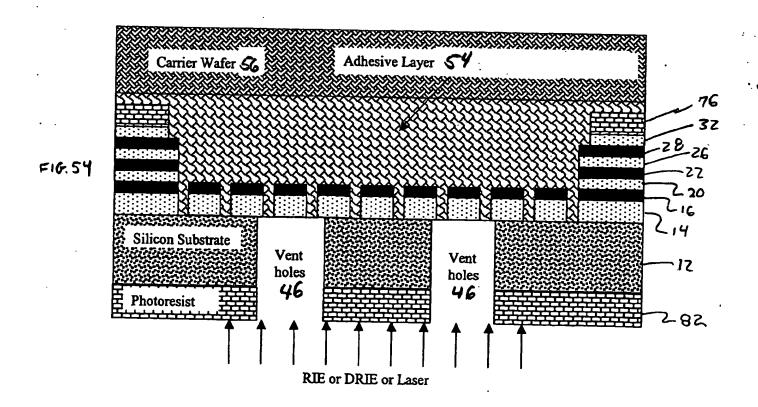


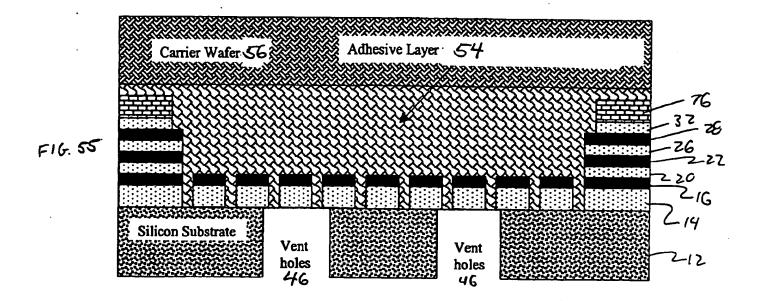


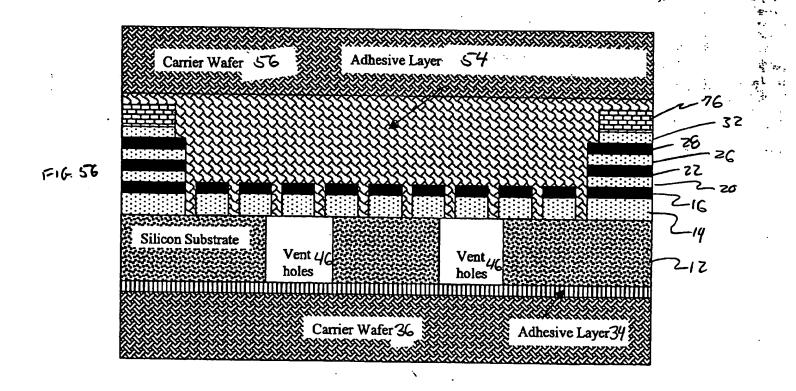


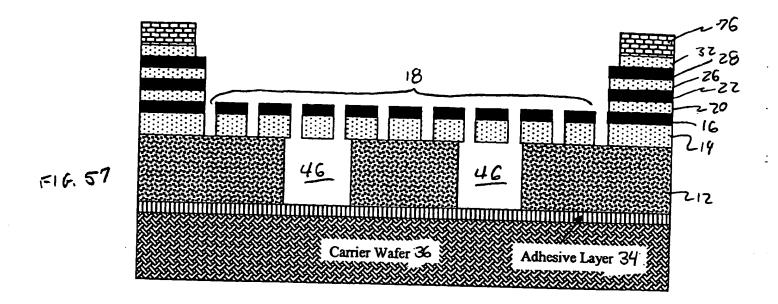


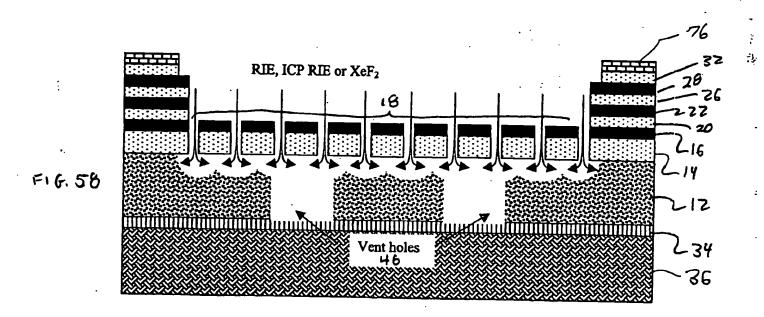












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